

2007 Engineering Conference Breakout Period 10.

11. Link Planning and NEPA GIS Tool

Track: Environmental

Presenter: Terry Johnson, Chris Glazier, UDOT

Synopsis: In an effort to link planning and NEPA, UDOT in cooperation with AGRC and ESRI has developed a GIS web-based application. It is intended to aid transportation planners and environmental decision makers in accessing and analyzing environmental data layers. This session will introduce and demonstrate this new application.

Time Required: 50 Minutes

28. Salt Lake County West Side Bicycle Study

Track: Systems Planning and Programming

Presenters: Travis Jensen

Synopsis: Presentation about a comprehensive bicycle planning study that was done to address future needs and priorities for bike routes in western Salt Lake County. The purpose of the study was to (1) obtain existing bicycle plans from communities within the study area, (2) put all of the proposed routes onto a single set of maps, (3) recommend a method for prioritizing the routes, and (4) discuss design considerations that will likely be important in the area.

Time Required: 50 minutes

39. Safety Performance Measures and Comprehensive Safety Plan

Track: ITS / Traffic Management / Safety

Presenter: Robert Hull

Synopsis: UDOT as part of the Utah Safety Leadership Team, has completed the Utah Comprehensive Safety Plan. This Plan is required for every state under SAFETEA-LU. The Plan identifies mitigation strategies and lead agencies for 21 safety areas of concern. In addition, safety performance measures have been developed as target fatality reductions for each safety area within the Plan. The next step is implementing the Plan within UDOT.

Time Required: 50 minutes

56. Validity of Concrete Testing

Track: Materials

Presenters: Ben Blankenship, Ash Grove Cement Company

Synopsis: We have now conducted 4 test fests. Test Fest is an event where concrete field technicians from various organizations are invited to participate in concrete testing on one uniform batch of concrete. The goal of the Test Fest is to have technicians representing all phases of the industry including Ready Mix, Pre-cast, State and Local Government, contract laboratories, etc. Data from the testing is gathered in a purely random fashion and presented in such a way that variation in the testing can be analyzed. Data from the four Test Fests has shown a large amount of variation in all of the standard field concrete tests: pressure air, slump, unit weight, temperature, and strength. We hope that this data can be used to help us as an industry to improve upon concrete testing procedures in the field and in the lab. I would like to discuss trends in the Test Fests and how they compare with other similar programs going on around the country.

Time Required: 50 minutes

60. Proposed update to design process

Track: Design

Presenters: Fred Doehring

Synopsis: Two brand new networks have been added to the ePM system! The New Design Network replaces the venerable 08-1 design process. Also a Design Build network will be introduced.

Time Required: 50 minutes

68. Visualization

Track: Design

Presenters: Paul Wheeler

Synopsis: New Visualization Process-This course will describe the new process for having visualization work performed on projects within the Department. This courses intended audience is Project Managers, Designers, and others that may want visualization work performed within the Department.

Time Required: 50 minutes

74. Possible Question and Answer Period